

# ZDHHC18 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22103b

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q9NUE0</a>
Other Accession	<a href="#">Q5Y5T2</a> , <a href="#">Q2TGJ1</a>
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55889
Calculated MW	42031

## Additional Information

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Gene ID	84243
Other Names	Palmitoyltransferase ZDHHC18, 2.3.1.225, Zinc finger DHHC domain-containing protein 18, DHHC-18, ZDHHC18
Target/Specificity	This ZDHHC18 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 331-361 amino acids from human ZDHHC18.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZDHHC18 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	ZDHHC18 {ECO:0000303 PubMed:35438208, ECO:0000312 HGNC:HGNC:20712}
Function	Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates, such as CGAS, HRAS and LCK (PubMed: <a href="#">23034182</a> ,

PubMed:[27481942](#), PubMed:[35438208](#)). Acts as a negative regulator of the cGAS-STING pathway by mediating palmitoylation and inactivation of CGAS (PubMed:[35438208](#)). May also have a palmitoyltransferase activity toward the beta-2 adrenergic receptor/ADRB2 and therefore regulate G protein-coupled receptor signaling (PubMed:[27481942](#)).

**Cellular Location** Golgi apparatus membrane; Multi-pass membrane protein

**Tissue Location** Widely expressed..

## Background

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Has palmitoyltransferase activity towards HRAS and LCK.

## References

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Ota T., et al. Nat. Genet. 36:40-45(2004).

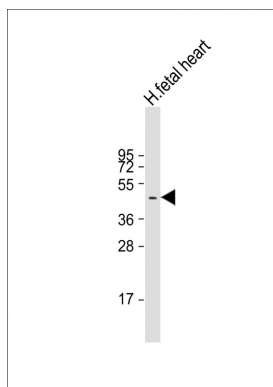
Gregory S.G., et al. Nature 441:315-321(2006).

Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S., et al. BMC Genomics 8:399-399(2007).

## Images

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Anti-ZDHHC18 Antibody (C-Term) at 1:1000 dilution + human fetal heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.